

**RF-BASED MARKERS FOR MRI VISUALIZATION OF
IMPLANTABLE MEDICAL DEVICES**

ABSTRACT OF THE DISCLOSURE

5 A medical device is provided with an RF marker. The RF marker produces RF shielding that is significant and clearly visible under MRI visualization. In one specific embodiment, the RF marker is formed by adding conductive paths on the
10 structural components of the medical device so that the conductive paths form a closed loop that is either disposed about, or in the immediate proximity of, water molecules.